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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  Feb 24   PCTGEN now available on STN
 NEWS  4  Feb 24   TEMA now available on STN
 NEWS  5  Feb 26   NTIS now allows simultaneous left and right truncation
 NEWS  6  Feb 26   PCTFULL now contains images
 NEWS  7  Mar 04   SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS  8  Mar 24   PATDPAFULL now available on STN
 NEWS  9  Mar 24   Additional information for trade-named substances without
                   structures available in REGISTRY
 NEWS 10  Apr 11   Display formats in DGENE enhanced
 NEWS 11  Apr 14   MEDLINE Reload
 NEWS 12  Apr 17   Polymer searching in REGISTRY enhanced
 NEWS 13  Jun 13   Indexing from 1947 to 1956 added to records in CA/CAPLUS
 NEWS 14  Apr 21   New current-awareness alert (SDI) frequency in
                   WPIDS/WPINDEX/WPIX
 NEWS 15  Apr 28   RDISCLOSURE now available on STN
 NEWS 16  May 05   Pharmacokinetic information and systematic chemical names
                   added to PHAR
 NEWS 17  May 15   MEDLINE file segment of TOXCENTER reloaded
 NEWS 18  May 15   Supporter information for ENCOMPPAT and ENCOMPLIT updated
 NEWS 19  May 19   Simultaneous left and right truncation added to WSCA
 NEWS 20  May 19   RAPRA enhanced with new search field, simultaneous left and
                   right truncation
 NEWS 21  Jun 06   Simultaneous left and right truncation added to CBNB
 NEWS 22  Jun 06   PASCAL enhanced with additional data
 NEWS 23  Jun 20   2003 edition of the FSTA Thesaurus is now available
 NEWS 24  Jun 25   HSDB has been reloaded
 NEWS 25  Jul 16   Data from 1960-1976 added to RDISCLOSURE
 NEWS 26  Jul 21   Identification of STN records implemented
 NEWS 27  Jul 21   Polymer class term count added to REGISTRY
 NEWS 28  Jul 22   INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
                   Right Truncation available
 NEWS 29  AUG 05   New pricing for EUROPATFULL and PCTFULL effective
                   August 1, 2003

 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
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 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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specific topic.
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FILE 'HOME' ENTERED AT 17:37:25 ON 06 AUG 2003

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE COVERS 1907 - 6 Aug 2003 VOL 139 ISS 6
FILE LAST UPDATED: 5 Aug 2003 (20030805/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s MDPB
            12 MDPB
             2 MDPBS
L1          14 MDPB
               (MDPB OR MDPBS)

=> s pyridinium bromide
         27176 PYRIDINIUM
           183 PYRIDINIUMS
         27233 PYRIDINIUM
               (PYRIDINIUM OR PYRIDINIUMS)
        229422 BROMIDE
         27234 BROMIDES
        242162 BROMIDE
               (BROMIDE OR BROMIDES)
L2        1583 PYRIDINIUM BROMIDE
               (PYRIDINIUM(W)BROMIDE)

=> s L2 and mdp
          1769 MDP
            65 MDPS
          1800 MDP
               (MDP OR MDPS)
L3           0 L2 AND MDP

=> s L2 and dihydrogen phosphate
```

```
          19546 DIHYDROGEN
              3 DIHYDROGENS
          19547 DIHYDROGEN
                  (DIHYDROGEN OR DIHYDROGENS)
         486151 PHOSPHATE
         115500 PHOSPHATES
         530194 PHOSPHATE
                  (PHOSPHATE OR PHOSPHATES)
          12678 DIHYDROGEN PHOSPHATE
                  (DIHYDROGEN(W)PHOSPHATE)
L4            0 L2 AND DIHYDROGEN PHOSPHATE

=> s L2 and HEMA
           2258 HEMA
              6 HEMAS
           2263 HEMA
                  (HEMA OR HEMAS)
L5            0 L2 AND HEMA

=> s L2 and hydroxyethyl methacrylate
          91189 HYDROXYETHYL
              1 HYDROXYETHYLS
          91189 HYDROXYETHYL
                  (HYDROXYETHYL OR HYDROXYETHYLS)
         180270 METHACRYLATE
          10861 METHACRYLATES
         182371 METHACRYLATE
                  (METHACRYLATE OR METHACRYLATES)
          19930 HYDROXYETHYL METHACRYLATE
                  (HYDROXYETHYL(W)METHACRYLATE)
L6            5 L2 AND HYDROXYETHYL METHACRYLATE

=> d L6 1-5 ibib abs hitrn

L6   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:         1998:147127  CAPLUS
DOCUMENT NUMBER:          128:158970
TITLE:                    Cleaning material for contact lens
INVENTOR(S):              Tsuzuki, Akira; Tanikawa, Sadayasu
PATENT ASSIGNEE(S):       Menicon Co., Ltd., Japan
SOURCE:                   Eur. Pat. Appl., 15 pp.
                          CODEN: EPXXDW
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.   DATE
     ---------------   ----  --------       ---------------   --------
     EP 822248          A2   19980204       EP 1997-305700    19970729
     EP 822248          A3   20000412
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 10096878        A2   19980414       JP 1997-188368    19970714
     US 5919742         A    19990706       US 1997-901773    19970728
PRIORITY APPLN. INFO.:                   JP 1996-198662      19960729
                                         JP 1997-188368      19970714
AB   A cleaning material for a contact lens formed of a polymer which is
     obtained by polymg. a compn. including at least a nonionic surface active
     agent having a polymerizable unsatd. double bond, and a crosslinking agent
     having a plurality of polymerizable unsatd. double bonds; polymerizable
     disinfectants and conventional monomers may also be included in the compn.
     The polymer may be used in the form of a fiber-reinforced film.  In an
     example, a copolymer of polyethylene glycol cetyl ether acrylate 6.0,
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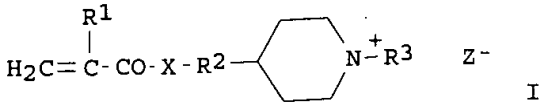
polyethylene glycol diacrylate 2.0, and acryloyloxycetyltriethylammonium chloride 1.0 g was prepd. and fashioned into a nonwoven fabric-reinforced cleaning film. Such films showed good cleaning properties without abrasion of contact lenses.

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:809858 CAPLUS
DOCUMENT NUMBER: 128:102517
TITLE: Polymerizable linear alkylpyridinium chemical compound and polymerizable composition which contains it
INVENTOR(S): Harada, Miho; Yamada, Hideaki; Hino, Kenichi; Imasato, Satoshi; Torii, Mitsuo
PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09324015	A2	19971216	JP 1997-70972	19970325

PRIORITY APPLN. INFO.: JP 1996-78667 19960401
GI



I

AB The title monomers I (R1 = H, Me; X = O, NH; R2 = various O or N-contg. linking groups; R3 = C12-22 linear alkyl; Z = halogen) have good antibacterial properties. Dodecyl [4-[3-(2-methacryloyloxy)ethoxycarbonyl]propanoyloxymethyl]**pyridinium bromide** was prepd. and polymd. with bisphenol A di(2-ethoxypropoxy) dimethacrylate, triethylene glycol dimethacrylate, and dimethylaminoethyl methacrylate.

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1989:195161 CAPLUS
DOCUMENT NUMBER: 110:195161
TITLE: Coagulation and surface adsorbability of styrene/2-**hydroxyethyl methacrylate** copolymer latices in aqueous solution of cationic surfactants
AUTHOR(S): Suzawa, Toshiro; Kawasaki, Kiyoko; Tamai, Hisashi; Hikiji, Yasuto
CORPORATE SOURCE: Fac. Eng., Hiroshima Univ., Higashihiroshima, 724, Japan
SOURCE: Yukagaku (1988), 37(11), 1037-43
CODEN: YKGKAM; ISSN: 0513-398X
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB The coagulation and surface adsorbability of styrene-2-**hydroxyethyl methacrylate** copolymers contg. 0.5-3% **hydroxyethyl methacrylate** (I) and polystyrene latex in aq. soln. of C12-16-alkyl **pyridinium bromides** were investigated by the stopped flow method and were measured for their .zeta.-potential. The distance t from the Stern layer to the slipping plane in the elec. double layer on the latex surface increased with the I fraction. The surfactant adsorption decreased with increasing I fraction. The concn. of surfactant on which coagulation occurred shifted to higher

concn. of surfactant with decreasing surfactant adsorption on the latex, with increasing I content. The min. value of the stability ratio (log W) of the latex particles corresponded to the zero point of charge of the latex in the .zeta.-log C (C surfactant concn.) curve.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1982:36075 CAPLUS
DOCUMENT NUMBER: 96:36075
TITLE: Polarity of the microenvironment of polymers in solution. III. Poly[4(5)-vinylimidazole] in one-component and binary mixtures
AUTHOR(S): Mikes, Frantisek; Strop, Petr; Tuzar, Zdenek; Labsky, Jiri; Kalal, Jaroslav
CORPORATE SOURCE: Dep. Polym., Inst. Chem. Technol., Prague, Czech.
SOURCE: Sbornik Vysoke Skoly Chemicko-Technologicke v Praze, S: Polymery--Chemie, Vlastnosti a Zpracovani (1981), S5, 157-85
CODEN: SVSZD5; ISSN: 0139-908X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Soln. properties of poly[4(5)-vinylimidazole] (I) [9033-82-3] were detd. and their effect on catalytic activity of I in solvolytic reactions was discussed. Polyelectrolyte properties of I in Me Cellosolve and EtOH-H2O mixts. and dioxane-H2O mixts. and the suppression of the polyelectrolyte behavior by LiCl were detd. viscometrically. To det. the polarity of I microenvironments I labeled with 1-(.beta.-methacryloyloxyethyl)-4-(3-ethoxy-4-hydroxystyryl)pyridinium chloride [53505-98-9] and 1-(4-bromobutyl)-4-(3-ethoxy-4-hydroxystyryl)**pyridinium bromide** [75039-65-5] were prepd. On the basis of the shift of the charge-transfer absorption band of the solvatochromic form of the modified polymers it was found that the polarity of the microenvironment of the polymer chains in binary solvent mixts. was lower than that of the pure solvent. Lower polarity of the microenvironment was found for I having the solvatochromic label near the polymer chain than for the polymer having the solvatochromic label farther from the polymer chain.

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1969:87054 CAPLUS
DOCUMENT NUMBER: 70:87054
TITLE: Unsaturated .beta.-hydroxyalkyl carboxylates
INVENTOR(S): Dowbenko, Rostyslaw; Christenson, Roger M.
PATENT ASSIGNEE(S): PPG Industries, Inc.
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3431294	A	19690304	US 1964-392909	19640828

PRIORITY APPLN. INFO.: US 1964-392909 19640828
AB The title compds. are prepd. by treating ethylenically unsatd. monocarboxylic acids with alkylene oxides in the presence of N-(2-carbamoylalkyl)pyridinium halides and similar salts of heterocyclic N compds. Thus, 63.8 g. propylene oxide was added dropwise during 1.25 hrs. to a mixt. of methacrylic acid 86.1, hydroquinone (I) 0.1, and N-(2-carbamoylethyl)pyridinium chloride 4.0 g. at 60.degree.. The mixt. was heated for 14 hrs. at 60.degree. and the product distd. under reduced pressure after addnl. I had been added, giving a 93.0% yield of .beta.-hydroxypropyl methacrylate (II), b1.5 69-83.degree., acid no. 31.22. II was also prepd. by using N-(2-carbamoylethyl)**pyridinium bromide**, N-(2-carbamoylethyl)quinolinium chloride, and

N-(2-carbamoylethyl)isoquinolinium chloride. .beta.-Hydroxypropyl acrylate, collected as a fraction b3.5 72.degree. to b3.0 92.degree., .beta.-**hydroxyethyl methacrylate**, b0.4 74.degree., and .beta.-hydroxyethyl acrylate collected as the fraction, b2.7 74.degree. to b1.1 96.degree.. This method gives products with high purity and produces few undesirable side reactions. The products are useful as monomers. The use of N-(2-carbamoylethyl)-pyridinium iodide as a catalyst is also claimed.

```
=> s antimicrobial and pyridinium and monomer and carboxylic and hydrophilic
aliphatic amine
         47304 ANTIMICROBIAL
          3200 ANTIMICROBIALS
         48370 ANTIMICROBIAL
                 (ANTIMICROBIAL OR ANTIMICROBIALS)
         27176 PYRIDINIUM
           183 PYRIDINIUMS
         27233 PYRIDINIUM
                 (PYRIDINIUM OR PYRIDINIUMS)
        156158 MONOMER
        117480 MONOMERS
        235330 MONOMER
                 (MONOMER OR MONOMERS)
        209065 CARBOXYLIC
            48 CARBOXYLICS
        209083 CARBOXYLIC
                 (CARBOXYLIC OR CARBOXYLICS)
         72221 HYDROPHILIC
            17 HYDROPHILICS
         72227 HYDROPHILIC
                 (HYDROPHILIC OR HYDROPHILICS)
         72803 ALIPHATIC
           860 ALIPHATICS
         73523 ALIPHATIC
                 (ALIPHATIC OR ALIPHATICS)
        102526 ALIPH
           197 ALIPHS
        102647 ALIPH
                 (ALIPH OR ALIPHS)
        162141 ALIPHATIC
                 (ALIPHATIC OR ALIPH)
        237175 AMINE
        226796 AMINES
        364666 AMINE
                 (AMINE OR AMINES)
             0 HYDROPHILIC ALIPHATIC AMINE
                 (HYDROPHILIC(W)ALIPHATIC(W)AMINE)
L7           0 ANTIMICROBIAL AND PYRIDINIUM AND MONOMER AND CARBOXYLIC AND
                 HYDROPHILIC ALIPHATIC AMINE
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